## Features of your new air conditioner

### Cool Summer Offer

On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest. Beat the heat with your own air conditioner this summer.

### Cost Efficient System

Your new air conditioner not only provides maximum cooling power in the summer, but also can be an efficient heating method in the winter with the advanced “Heat pump” system. “Heat pump” system is 3 times more efficient compare to the other electrical heating appliance, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

### Look for Everywhere

The elegant and harmonious design gives priority to the esthetics of your space and complements any of your existing interior décor. With its soft color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

### good,sleep function

good,sleep function allows you to set a comfortable sleep temperature while saving energy and having sound sleep.

### SPi (Super plasma ion) function

**SPi** function generates hydrogen(H) and oxygen($O_2$) to attack undesirable air contaminants such as bacteria, pollen, and odor. It makes you breathe better as if you are staying around waterfalls, ocean surf, rivers and mountains.

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This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), and the Electromagnetic Compatibility Directive (2004/108/EEC) of the European Union.

***Correct Disposal of This Product***
***(Waste Electrical & Electronic Equipment)***

***(Applicable in the European Union and other European countries with separate collection systems)***

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

# Safety precautions

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

### Important safety symbols and precautions:

| | |
|---|---|
| **WARNING** | Hazards or unsafe practices that may result in **severe personal injury or death.** |
| **CAUTION** | Hazards or unsafe practices that may result in **minor personal injury or property damage.** |

| | | | |
|---|---|---|---|
| | Follow directions. | | Unplug the power plug from the wall socket. |
| | Do NOT attempt. | | Do NOT disassemble. |
| | Make sure the machine is grounded to prevent electric shock. | | |

## FOR INSTALLATION | WARNING

**Plug the power cord into a wall socket with the power specifications of the product or higher and use the socket for this appliance only. In addition, do not use an extension cord.**

- Sharing a wall socket with other appliances using a power strip or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- If the voltage/frequency/rated current condition is different, it may cause fire.

**The installation of this appliance must be performed by a qualified technician or service company.**

- Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury.

**Install a switch and circuit breaker dedicated to the air conditioner.**

- Failing to do so may result in electric shock or fire.

**Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.**

- Failing to do so may result in electric shock or fire.

**Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.**

- This may result in electric shock or fire.

**Never install the outdoor unit in a location such as on a high external wall where it could fall.**

- If the outdoor unit falls, it may result in injury, death or property damage.

**This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.**

- Failure to do so may result in electric shock, fire, an explosion, or other problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

## FOR INSTALLATION | CAUTION

**This appliance should be positioned in such a way that it is accessible to the power plug.**

- Failing to do so may result in electric shock or fire due to electric leakage.

**Install your appliance on a level and hard floor that can support its weight.**

- Failing to do so may result in abnormal vibrations, noise, or problems with the product.

**Install the draining hose properly so that water is drained correctly.**

- Failing to do so may result in water overflowing and property damage.

**When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.**

- The water generated during the heating operation by the outdoor unit may overflow and result in property damage. In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

# Safety precautions

## FOR POWER SUPPLY | ⚠ WARNING

**Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.**
- ▶ Unplug the power plug and clean it with a dry cloth.
- ▶ Failing to do so may result in electric shock or fire.

**Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.**
- ▶ If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

**When the appliance or power plug or power cord is damaged, contact your nearest service center.**

**Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.**
- ▶ This may result in electric shock or fire.

**Do not pull the power cord, when unplugging the power plug.**
- ▶ Unplug the power plug by holding the plug.
- ▶ Failing to do so may result in electric shock or fire.

**Do not pull or excessively bend the power cord. Do not twist or tie the power cord. Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.**
- ▶ This may result in electric shock or fire.

## FOR POWER SUPPLY | ⚠ CAUTION

**When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.**
- ▶ Failing to do so may result in electric shock or fire.

## FOR USING | ⚠ WARNING

**If the appliance is flooded, please contact your nearest service center.**
- ▶ Failing to do so may result in electric shock or fire.

**If the appliance generates a strange noise, a burning smell or smoke, unplug the power plug immediately and contact your nearest service center.**
- ▶ Failing to do so may result in electric shock or fire.

**In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.**
- ▶ Do not use a ventilating fan.
- ▶ A spark may result in an explosion or fire.

**To reinstall the air conditioner, please contact your nearest service center.**
- ▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.
- ▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.
- ▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

**Do not touch the power plug or the circuit breaker with wet hands.**
- ▶ This may result in electric shock.

**Do not unplug the power plug or turn the air conditioner off with the circuit breaker while it is operating.**
- ▶ Plugging the power plug into the wall outlet or turning the air conditioner on from the circuit breaker may cause a spark and result in electric shock or fire.

**After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.**
- ▶ If a child places a bag over its head, it may result in suffocation.

**Do not insert your fingers or foreign substances into the outlet when the air conditioner is operating.**
- ▶ Take special care that children do not injure themselves by inserting their fingers into the product.

**Do not touch the air flow blade with your hands or fingers during the heating operation.**
- ▶ This may result in electric shock or burns.

**Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.**
- ▶ Take special care that children do not injure themselves by inserting their fingers into the product.

**Do not strike or pull the air conditioner with excessive force.**
- ▶ This may result in fire, injury, or problems with the product.

## FOR USING | ⚠WARNING

**Do not place an object near the outdoor unit that allows children to climb onto the machine.**
▶ This may result in children seriously injuring themselves.
**Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.**
▶ Since this may be dangerous due to a lack of oxygen, Open a window at least once an hour.

**If any foreign substance such as water has entered the appliance, cut the power by unplugging the power plug and turning the circuit breaker off and then contact your nearest service center.**
▶ Failing to do so may result in electric shock or fire.

**Do not attempt to repair, disassemble, or modify the appliance yourself.**
▶ Do not use any fuse (such as cooper, steel wire, etc.)other than the standard fuse.
▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.

## FOR USING | ⚠CAUTION

**Do not place objects or devices under the indoor unit.**
▶ Water dripping from the indoor unit may result in fire or property damage.
**Check that the installation frame of the outdoor unit is not broken at least once a year.**
▶ Failing to do so may result in injury, death or property damage.
**Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.**

**Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.**
▶ This may result in electric shock, fire, problems with the product, or injury.
**Do not operate the appliance with wet hands.**
▶ This may result in electric shock.
**Do not spray volatile material such as insecticide onto the surface of the appliance.**
▶ As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.
**Do not drink the water from the air conditioner.**
▶ The water may be harmful to humans.
**Do not apply a strong impact to the remote controller and do not disassemble the remote controller. Do not touch the pipes connected with the product.**
▶ This may result in burns or injury.
**Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.**
▶ This may result in property damage.
**Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.**
▶ This may result in harm to humans, animals or plants.
**This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.**

## FOR CLEANING | ⚠WARNING

**Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner or alcohol to clean the appliance.**
▶ This may result in discoloration, deformation, damage, electric shock or fire.
**Before cleaning or performing maintenance, unplug the air conditioner from the wall socket and wait until the fan stops.**
▶ Failing to do so may result in electric shock or fire.

## FOR CLEANING | ⚠CAUTION

**Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.**
▶ To avoid cutting your fingers, wear thick cotton gloves when cleaning it.

**Do not clean the inside of the air conditioner by yourself.**
▶ For cleaning inside the appliance, contact your nearest service center.
▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning the air conditioner' section.
▶ Failure to do may result in damage, electric shock or fire.

# Checking before use

## Operation ranges

**The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.**

| Mode | Indoor temperature | Outdoor temperature | Indoor humidity |
|---|---|---|---|
| Cooling | 16˚C~32˚C | -10˚C~46˚C | Relative humidity 80% or less |
| Heating | 27˚C or less | -15˚C~24˚C | - |
| Dry | 18˚C~32˚C | -10˚C~46˚C | - |

►If the air conditioner operates in cooling mode for long period of time in high humidity area, dew may be formed.

►If the outdoor temperature goes down to -5°C, heating capacity may decrease as much as 60%~70% of specified capacity according to the using conditions.

## Maintaining your air conditioner

### Internal protections via the unit control system

► This internal protection operates if an internal fault occurs in the air conditioner.

| Type | Description |
|---|---|
| Against cold air | The internal fan will be off to against cold air when the heat pump is heating. |
| De-ice cycle | The internal fan will be off to defrost ice when the heat pump is heating. |
| Anti-protection of internal battery | The compressor will be off to protect internal battery when the air conditioner operates in Cool mode. |
| Protect compressor | The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started. |

NOTE

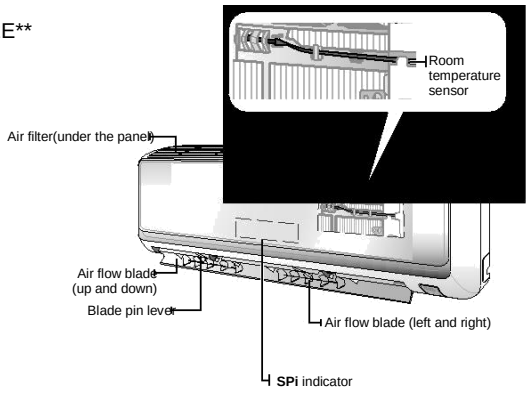
• If the heat pump is operating in Heat mode, De-ice cycle is actuated to remove frost from an outdoor unit that may have deposited at low temperatures.
The internal fan is switched off automatically and restarted only after the de-ice cycle is completed.

# Checking the name of the parts

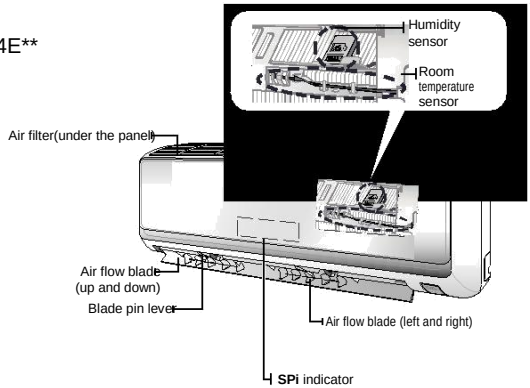
Your air conditioner may slightly look different from illustration shown above depending on your model.

## Main parts

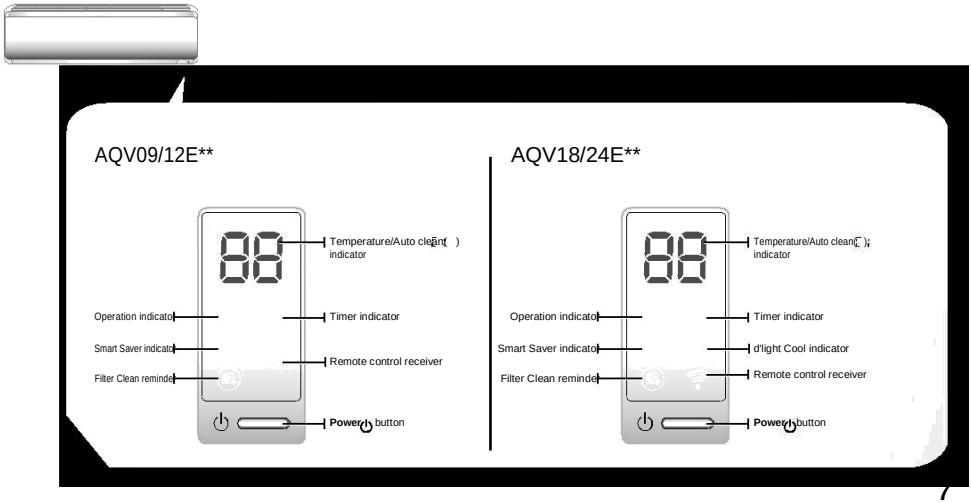
AQV09/12E**


Room temperature sensor
Air filter(under the panel)
Air flow blade (up and down)
Blade pin lever
Air flow blade (left and right)
SPi indicator

AQV18/24E**



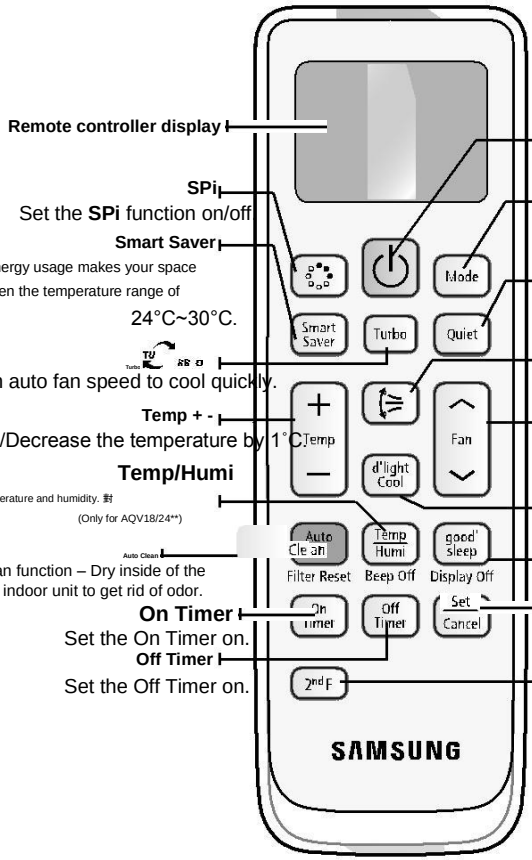

## Display



# Checking the remote controller

- Point the remote controller towards the remote controller receiver of the indoor unit.
- When you properly press the button on the remote controller, you will hear beep sound from the indoor unit and a transmit indicator( ) appears on the remote controller display.

## Remote controller buttons




**Remote controller display**

**SPi**
Set the **SPi** function on/off

**Smart Saver**
Less energy usage makes your space cool between the temperature range of 24°C~30°C.

**Turbo**
Operate in auto fan speed to cool quickly.

**Temp + -**
Increase/Decrease the temperature by 1°C.

**Temp/Humi**
Change between temperature and humidity. (Only for AQV18/24**)

**Auto Clean**
Auto clean function – Dry inside of the indoor unit to get rid of odor.

**On Timer**
Set the On Timer on.

**Off Timer**
Set the Off Timer on.

**Power**
Turn on/off the air conditioner.

**Mode**
Set one of the 5 operating modes (see pages 10~11 for instructions).

**Quiet**
Reduce noise generated from an indoor unit during operation.

**Air swing**
Activate/Deactivate air flow blade movement automatically up and down.

**Fan**
Adjust how much air flows through the air conditioner with the 4 different fan speeds such as Auto/Low/Medium/High. **d'light Cool**
Set the d'light Cool function on/off. (Only for AQV18/24**)

**good' sleep**
Set the good' sleep mode on.

**Set /Cancel**
Cancel the timer/good' sleep mode .

**2nd F**
Switch the function of the button on the remote controller.

**Filter Reset**
Reset the Filter Clean reminder.

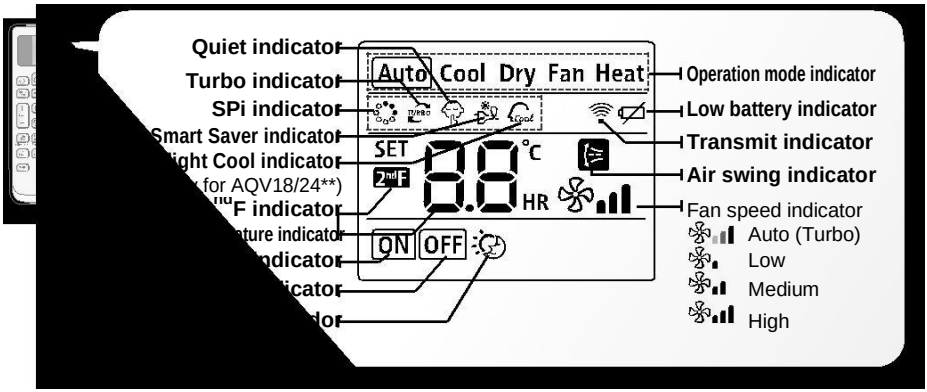
**Beep off**
To silence the beep sound when pressing the button.

**Display off**
To turn off the display light

NOTE

- When you press [2nd F] button, the 2nd F indicator will be displayed on the remote controller and you can change the functions on the remote controller as listed below.
  Auto Clean ▶ Filter Reset, Temp/Humi ▶ Beep Off, good' sleep ▶ Display Off function.
  If you select the function under the button while the function of the button is switched by 2nd F button, the 2nd F function is canceled.

## Remote controller display




### Battery changing time

When the battery is exhausted, (▬) will be displayed in the remote controller display. When the icon appears, change the batteries. The remote controller requires two 1.5V AAA type batteries.

### Storing the remote controller

When you do not use the remote controller for long time, remove the batteries from the remote controller and store it.

### Inserting the batteries

**1. Push the lever as arrow indicates on the rear side of the remote controller and pull up.**

**2. Insert two AAA batteries.** Check and match the "+" and "-" signs accordingly. Make sure you have inserted the batteries in correct position.

**3. Close the cover by place it back to its original position.** You should hear click sound when the cover is locked properly.

NOTE

- The signal may not be received well of electronic lighting style fluorescent lamps such as inverter fluorescent lamps are in the same space.
- If other electrical products operate by the remote controller, call your nearest contact center.

***Correct disposal of batteries in this product***

***(Applicable in the European Union and other European countries with separate battery return systems.)***

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.
If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

# Basic function

Basic operation is an operation mode that can be selected by pressing the **Mode** button.

## Auto

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature.

## Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.

- If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.
- Quiet mode( , ) makes the noise quieter during operating the indoor unit in the Cool mode.

## Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Dry mode makes the air feel refreshing in a humid climate.
To maximize the dehumidification capacity during the Dry operation, the air conditioner could be operating at lower or higher temperature than the remote controller set temperature.

## Fan

Fan mode can be selected to ventilate your room. Fan mode will be helpful to refresh the stale air in your room.

## Heat

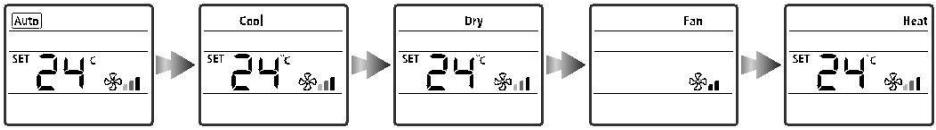
The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.
- Quiet mode( , ) makes the noise quieter during operating the indoor unit in the Heat mode.
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperature is extremely low.
  Use an additional heating appliance in combination with the air conditioner if you feel the air conditioner heats insufficiently.

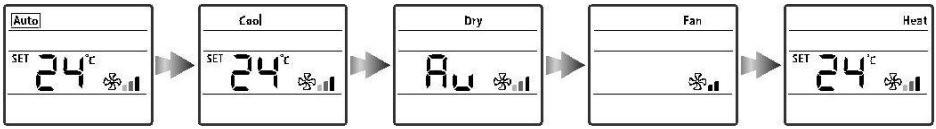
## Press the button to turn on the air conditioner.

## Press the Mode button to set the operating mode.

• Each time you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat. AQV09/12E**




AQV18/24E**




## Press the button to set the desired fan speed.

| | |
|---|---|
| Auto | (Auto) |
| Cool | (Auto)(Low)(Med)(High) |
| Dry | (Auto) |
| Fan | (Low)(Med)(High) |
| Heat | (Auto)(Low)(Med)(High) |

## Press the button to adjust the temperature.

| | |
|---|---|
| Auto | You can adjust the desired temperature by 1°C within the range of 16°C~30°C. |
| Cool | You can adjust the desired temperature by 1°C within the range of 16°C~30°C. |
| Dry | You can adjust the desired temperature by 1°C within the range of 18°C~30°C. (only for AQV09/12**) |
| Fan | Temperature adjustment is not possible. |
| Heat | You can adjust the desired temperature by 1°C within the range of 16°C~30°C. |

NOTE

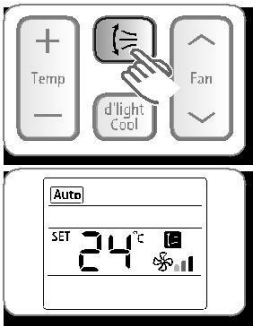
• Air flow can be adjusted manually.(see page 12 for instructions.)

# Adjusting the air flow direction

Air flow can be directed to your desired position.

## Vertical air flow

Air flow blades move up and down.

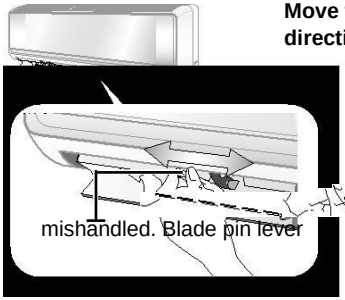



**Press the Air swing button on the remote controller.**

- Air swing indicator will be on and air flow blades move up and down continuously to circulate the air.
- Press the **Air swing** button on the remote controller again, to keep the air flow direction in a constant position.

## Horizontal air flow

Make sure one of the blade pin lever that stick out of the air flow blades are not broken.



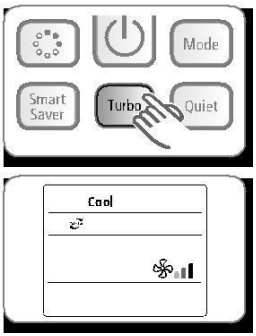

**Move the blade pin lever left or right to keep the air flow direction in a constant position you prefer.**

CAUTION

- Be extremely careful with your fingers while adjusting the Horizontal air flow direction.
  There is a potential risk of personal injury when the unit is

# Using the Turbo function

Turbo function will be helpful to cool your room quickly and effectively.




**Press the Turbo button on the remote controller during Cool mode.**

- Turbo indicator appears on the remote controller display and the air conditioner operates in Turbo function for 30 minutes.

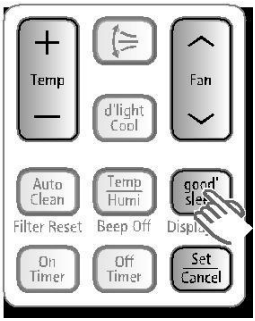
**Cancel** Press the **Turbo** button once again.

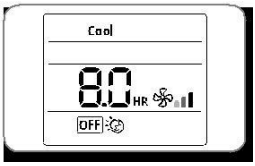
NOTE

- Turbo function is only available in Cool mode.
- If you press the **Mode** button while the Turbo function is on, it will cancel the function.
- Temperature/Fan speed cannot be adjusted while using this function.

# good,sleepmode

For a comfortable sleep, the air conditioner will operate it Fall asleep ▷ Sound sleep ▷ Wake up from good'sleep mode.




## When the air conditioner is on and in cool/heat mode

1. **Press the good'sleep button on the remote controller.**
   - ▶ good'sleep indicator appears and Off timer indicator starts blinking on the remote controller display.
2. **Press the good'sleep button to set the time.**
   - ▶ You can set the time in half hourly unit from 30 minutes ~ 3 hours and hour unit from 3 hours ~ 12 hours.
   - ▶ Operating hour can be set from minimum 30 minutes to maximum 12 hours. ▶ Default operation hour is set to 8 hours.
3. **Press the Set/Cancel button to active it on.**
   - ▶ Off timer indicator stops blinking and reserved time will be displayed for 3 seconds. Then the air conditioner operates in good'sleep mode.
   - ▶ If you don't press **Set/Cancel** button within 10 seconds after pressing the good'sleep, the air conditioner will return to previous status.

**Cancel** Press the **Set/Cancel** button once again.

| | |
|---|---|
| Temp | You can set the desired temperature by 1˚C in the range of 16˚C~30˚C. |
| Fan | Fan speed will be adjusted automatically according to the good'sleep mode.<br>However, I f you select good'sleep mode while heating operation is on, you can adjust fan speed. |
| | Air flow direction will be adjusted automatically according to the good'sleep mode.<br>However, if you select good'sleep mode while heating operation is on, you can adjust air flow direction. |

## Temperature and fan speed changes in good'sleep mode

- Fall asleep: Eases you into sleep by dropping the temperature.
- Sound sleep: Relaxes your body and raises your temperature slightly.
- Wake up from good'sleep mode:Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.

NOTE

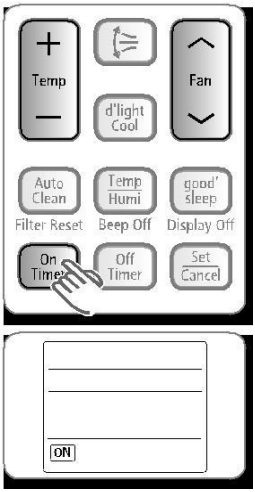
- Set Off timer in good'sleep mode over 5 hours. You fell disturbed sleep if the good'sleep is set too short or long because the default is set to 8-hour-operation.
- If the good'sleep mode is set less than 4 hours, the operation will stop at the same time. If the good'sleep mode is set over 5 hours, it will run as Wake up stage from the last one hour before it stops.
- Recommended set temperature is between 25˚C~27˚C for cooling and 21˚C~23˚C for heating.

# Setting the On/Off timer

You can set the air conditioner to turn on/off automatically at desired time.

**Setting On timer while the air conditioner is off / Off timer while the air conditioner is on**

## Setting On timer

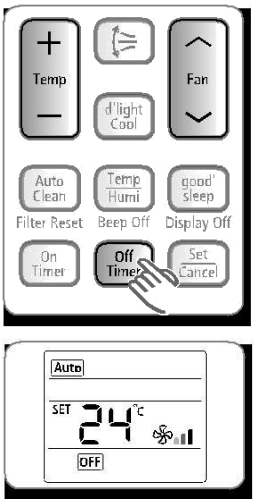



1. **Press the On Timer/Off Timer button.**
   - ▶ On/Off timer indicator will blink on the remote controller display.

2. **Press the On Timer/Off Timer button to set the time.**
   - ▶ You can set the time in half hourly unit from 30 minutes ~ 3 hours and hour unit from 3 hours ~ 24 hours.
   - ▶ Operating hour can be set from minimum 30 minutes to maximum 24 hours.

3. **Press the Set/Cancel button to active it on.**
   - ▶ On timer indicator stops blinking and reserved time will be displayed for 3 seconds.
   - ▶ If you don't press **Set/Cancel** button within 10 seconds after selecting the time the air conditioner will return to previous status. Check On timer or Off timer indicator and ⏲ indicator on the indoor unit.

## Setting Off timer




**Cancel** Press the **Set/Cancel** button.

| Additional options available in On timer mode | |
|---|---|
| Mode | You can select from Auto/Cool/Dry/Fan/Heat. |
| Fan | You can adjust the fan speed in Cool/Fan/Heat mode. |
| Temp | You can adjust the temperature in Auto/Cool/Dry/Heat mode. |

NOTE

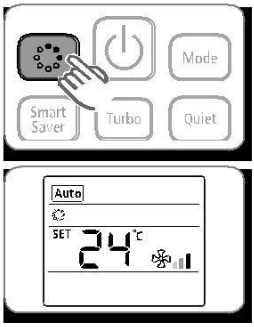
- Only the latest setting timer will be applied between the On Timer/Off Timer and good'sleep Off timer functions.
- After setting the timer, the set time will be displayed for 3 seconds before it disappears.

| Combining On Timer and Off Timer | |
|---|---|
| **If the air conditioner is on** | **If the air conditioner is off** |
| ***Preset time on On timer is longer than Off timer***<br>Ex) On timer : 3 hours, Off timer : 1 hour<br>- The air conditioner will operate the Off timer after 1 hour from the moment you have set the timer. Your air conditioner will turn on after 2 hours. | ***Preset time on On timer is shorter than Off timer***<br>Ex) On timer : 3 hours, Off timer : 5 hours<br>- The air conditioner will operate On timer after 3 hours from the moment you have set the timer. Your air conditioner will remain on for 2 hours and then turn off automatically. |

NOTE
- On timer and Off timer setting time should be different from each other.
- Press the **Set/Cancel** button on the remote controller while timer combination is on. Both of the On and Off timer will be canceled and the indicator will disappear.

# Using the SPi function

**SPi** (Super Plasma ion) generates hydrogen(H) and oxygen($O_2$) to remove a polluted substance and decomposition of such harmful particles. It makes you breathe better as if you are staying around waterfalls, ocean surf, rivers and mountains.




**Press the button on the remote controller.**

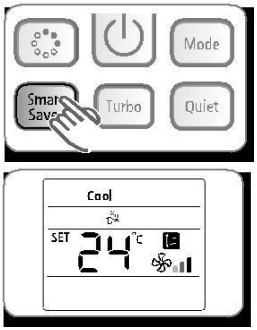
▶ indicator will appears on the remote controller display and the air conditioner generates SPI.

**Cancel** Press the button once again.

NOTE
- The function can be selected whether the air conditioner is on/off.

# Using the Smart Saver function

This function will set the temperature range limit to help you save energy while the air conditioner is operating in Cool mode.




**Press the Smart Saver button on the remote controller while the air conditioner is operating in Cool mode.**

▶ Smart Saver indicator and air swing indicator appears automatically on the remote controller display. The air flow blades move up and down.

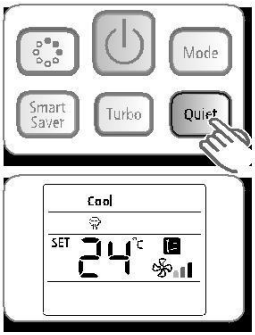
▶ Ifthe current set temperature is lower than 24°C, it will automatically raise to 24°C.

**Cancel** Press the **Smart Saver** button once again.

NOTE
- Smart Saver function is only available in Cool mode.
- When Smart Saver function is activated, temperature range will be limited to 24°C~30°C.
- If the desired temperature is lower than 24°C, turn off the Smart Saver function by pressing the **Smart Saver** button again.
- Temperature/Fan speed can also be adjusted (see page 11 for instructions).
- Air flow can be adjusted manually (see page 12 for instructions).
- If you press the **Mode** button while the Smart Saver function is on, it will cancel the function.

# Using the Quiet function

You can reduce the noise generated from an indoor unit.




**Press the Quiet button on the remote controller while the air conditioner is operating in Cool/Heat mode.**

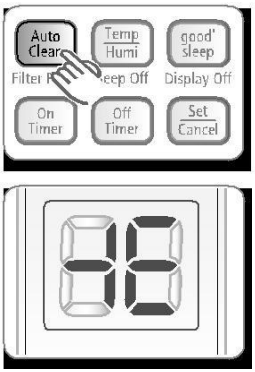
▶ Quiet indicator appears on the remote controller display. ▶ The indoor unit will operate more quietly.

**Cancel** Press the **Quiet** button once again.

NOTE
• If using a multi system, this function will work only when the Quiet function is set on all operated indoor units.

# Using the Auto Clean function

Auto clean function will prevent from growing mold by eliminating the moisture inside of the indoor unit. Your indoor unit evaporates the moisture inside of the unit. Activate this function to provide you with more clean and healthier air.




**Press the Auto Clean button.**

**When the air conditioner is turned off,**

▶ The Auto clean indicator on the indoor unit display appears and the Auto cleaning function runs.

**When the air conditioner is turned on,**

▶ After stopping the air conditioner operation , the Auto clean indicator on the indoor unit display appears and the Auto cleaning function runs.

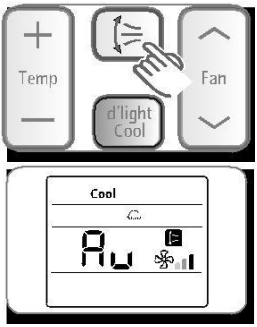
※ Auto Cleaning time can vary, depending on the previously used mode.
**Auto(cool), Cool, Dry mode** : approximately 30 minutes.
**Auto(heat), Heat, Fan mode** : approximately 15 minutes.

**Cancel** Press the **Auto Clean** button once again.

NOTE
• When the air conditioner is turned on, the Auto clean function runs after stopping the air conditioner operation.

# Using the d'light Cool function

The sensor in the indoor unit, which measures temperature and humidity in a room, keeps the room temperature in the most comfortable level by controlling the temperature and the fan speed automatically.



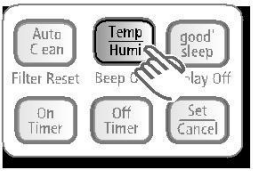

**Press the d'light Cool button on the remote controller while the air conditioner is operating in Cool mode.**

- ▶ d'light Cool indicator and air swing indicator appears automatically on the remote controller display.
- ▶ The air conditioner will set the fan speed to auto and adjust the temperature automatically according to the room temperature and humidity.

**Cancel** Press the **d'light Cool** button once again.

NOTE
- d'light Cool function is only available in Cool mode.
- When d'light Cool function is activated, temperature sets automatically and Au will appear on the remote controller display.
- If you press the **Mode** button while the d'light Cool function is on, it will cancel the function.
- If using a multi system, this function will work only when the d'light Cool function is set on all operated indoor units.

# Using the Temp/Humi function



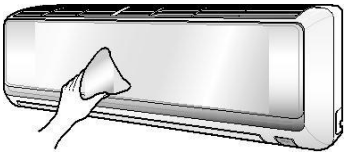

NOTE
- Display the room humidity level and temperature value for 5 seconds on the indoor unit display:
  - Hi: High (If the relative humidity is 70% or higher)
  - Sd: Standard (If the relative humidity is lower than 70%)
  - For room temperature will be displayed the value.

# Cleaning the air conditioner

CAUTION
• **Make sure the power is turned off and unplugged from the wall socket when cleaning the air conditioner.**

## Cleaning the indoor unit

► Wipe the surface of the unit with a slightly wet or dry cloth when needed.

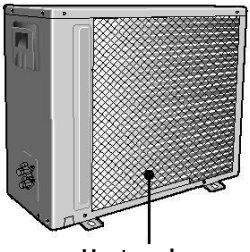


NOTE
• Contact the service center when you clean the indoor unit heat exchanger because it needs to be disassembled.

CAUTION
• Do not clean the display using alkaline detergent.
• Do not use sulfuric acid, hydrochloric acid, organic solvents (such as thinner, kerosene and acetone etc.) to clean the surface of the product or put any stickers on it. They may damage the surface of the air conditioner.

## Cleaning the outdoor unit heat exchanger

► When dust accumulates on the heat exchanger, it may decrease cooling performance. Therefore, clean it regularly.
► Spray water to clean the dust.



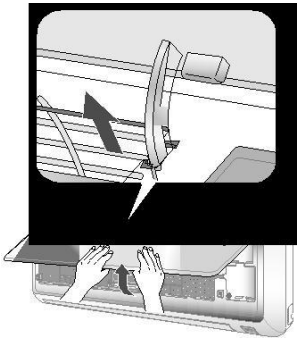
**Heat exchanger**
(Illustration may differ slightly depending on the models)

NOTE
• If it is difficult to clean the outdoor unit heat exchanger on your own, contact service center.

CAUTION
• Be careful with the sharp edges on the outdoor unit heat exchanger.

## Opening the panel

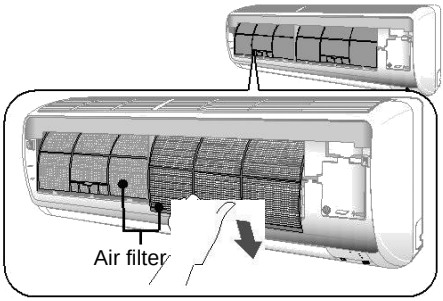
Tightly grab top of the front panel and pull it down to open. Then slightly lift the panel up.



# Cleaning the air conditioner

## Removing the Air filter

Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.



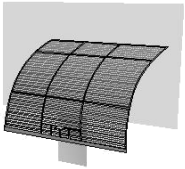

## Cleaning the air filter

Washable foam based air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

**Open the panel and put the Air filter out.**

**Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, rinse it with running water.**

**Dry the Air filter in a ventilated area.**



**Insert the Air filter back in its original position and close the front panel.**

NOTE

- Clean the Air filter every 2 weeks or when the filter clean reminder lights up. Cleaning term may differ depending on the usage and environmental conditions. In dusty area, clean it once a week.
- If you turn off the air conditioner by pressing **Power** ⏻ button, the filter clean reminder will be turned off.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.

# Maintaining the air conditioner

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

1. **Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in components.**
2. **Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.**

## Periodical checks

Refer to the following chart to maintain the air conditioner properly.

| Type | Description | Every 2 weeks | Every 3 months | Every 4 months | Once a year |
|---|---|---|---|---|---|
| Indoor unit | Clean the air filter (1) | ● | | | |
| | Clean the condensate drain pan (2) | | | | ● |
| | Thoroughly clean the heat exchanger (2) | | | | ● |
| | Clean the condensate drain pipe (2) | | | ● | |
| | Replace the remote controller batteries (1) | | | | ● |
| Outdoor unit | Clean the heat exchanger on the outside of the unit (2) | | | ● | |
| | Clean the heat exchanger on the inside of the unit (2) | | | | ● |
| | Clean the electric components with jets of air (2) | | | | ● |
| | Verify that all the electric components are firmly tightened (2) | | | | ● |
| | Clean the fan (2) | | | | ● |
| | Verify that all the fan assembly is firmly tightened (2) | | | | ● |
| | Clean the condensate drain pan (2) | | | | ● |

**● : This check mark requires checking the indoor/outdoor unit periodically, following to the description to maintain the air conditioner properly.**

NOTE

(1) The described operations should be performed more frequently if the area of installation is very dusty.

(2) These operations must always be performed by qualified personnel. For more detailed information, see the installation part in the manual.

# Troubleshooting

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

| PROBLEM | SOLUTION |
|---|---|
| **The air conditioner does not work at all.** | • Check power status and then operate the air conditioner again.<br>• Plug in or switch on the circuit breaker and then operate the air conditioner again.<br>• Check if you have set the Off Timer. Operate the air conditioner again by pressing the **Power** button. |
| **The temperature adjustment is not working.** | • Check if you have selected Fan/Turbo mode. In these modes, desired temperature is set to auto and you cannot adjust the temperature. |
| **Cool/Warm air does not come out of the air conditioner.** | • Check if the set temperature is higher(during Cool mode)/lower(during Heat mode) than the current temperature. Press the **Temp +** or **-** button on the remote controller to change the set temperature.<br>• Check if the Air filter is blocked by dirt. If there is a lot of dust on the Air filter, cooling(heating) performance may decrease. Clean them frequently.<br>• Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away.<br>• If you want to operate the air conditioner in the sunlight, cover the outdoor unit using curtains or etc.<br>• Check if the air conditioner is operating in De-ice mode. When the ice formed in winter or the outdoor temperature is too low, the air conditioner operates in De-ice mode automatically. In De-ice mode, indoor fan stops and cool air does not come out.<br>• If the doors or windows are open, it may cause bad cooling (heating) performance. Close the doors and windows.<br>• Check if the air conditioner has just been turned on after stopping cooling(heating) operation. In this case, just a fan will run to protect the outdoor unit compressor.<br>• Check if the pipe length is too long. When the pipe length exceeds maximum allowable pipe length, cooling (heating) performance may decrease. |
| **Air flow adjustment is not working.** | • Check if you have selected Auto/Dry/Turbo/good' sleep mode. In these modes, desired temperature is set to auto and you cannot adjust the temperature. |
| **Fan speed adjustment is not working.** | • Check if you have selected Auto/Dry/Turbo/good' sleep mode. In these mode, fan speed is set to Auto and you cannot adjust the fan speed. |
| **Remote controller is not working.** | • Check if your batteries are depleted.<br>• Make sure nothing is blocking your remote controller sensor.<br>• Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves. |
| **Timer function does not set.** | • Check if you press the **Set/Cancel** button on the remote controller after you have set the time. |
| **The indicator is blinking continuously.** | • Press the **Power** button or disconnect the power plug/switch off the auxiliary power switch.<br>If the indicator is still blinking, contact the service center. |
| **Odors permeate in the room during operation.** | • Check if the appliance is running in a smoky area. Ventilate the room or operate the air conditioner in Fan mode for 1~2 hours. (We do not use smelly components in the air conditioner.) |

# Troubleshooting

| PROBLEM | SOLUTION |
|---|---|
| **Error is indicated.** | • When an indoor unit indicator blinks, contact the nearest service center. |
| **Noise is generated.** | • Depending on the status of the air conditioner usage, noise can be heard when refrigerant flow movement changes. It is normal. |
| **Smoke is generated from the outdoor unit.** | • If may not be a fire but it can be a steam generated by the defrost operation from outdoor heat exchanger during Heat mode in winter. |
| **Water is dropping from the outdoor unit piping connection.** | • Water may be generated because of the temperature difference. It is normal. |

# QUESTIONS OR COMMENTS?

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|---|---|---|
| ALBANIA | 42 27 5755 | www.samsung.com |
| AUSTRIA | 0810 - SAMSUNG (7267864, € 0.07/min) | www.samsung.com |
| BELGIUM | 02-201-24-18 | www.samsung.com/be (Dutch)<br>www.samsung.com/be_fr (French) |
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# Air Conditioner
## user manual

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